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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/199,776 11/25/98 LEE

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LM01/0607

EXAMINER

ZAMANI, A

ART UNIT

PAPER NUMBER

2774

DATE MAILED:

06/07/00

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.  
09/199,776

Applicant(s)  
Sang Hae-LEE

Examiner  
Ali Zamani

Group Art Unit  
2774



☐ Responsive to communication(s) filed on \_\_\_\_\_

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1035 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

☒ Claim(s) 1-20 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1, 3-5, and 10-20 is/are rejected.

☒ Claim(s) 2 and 6-9 is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been

☒ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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### DETAILED ACTION

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 3-5 and 10-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ross (US Pat. No. 5,943,029) in view of Swan et al. (US Pat. No. 6,028,586).

3. In regard to claims 1, 3-5 and 10-20 Ross discloses a method and apparatus comprising: a (PC) 100 comprises a (CPU) 130 connected to other hardware devices via host bus (140). CPU (130) is connected to main memory RAM (110) through a memory controller (120) and host bus (140). CPU (130) is further connected to other hardware devices via host bus (140), bus controller (150) and I/O bus (160). these other hardware devices include, for example, BIOS ROM (180), in which a Power On Self-Test (POST) program (190) is stored, hard disk drive (195), a non-volatile system storage device, such as EEPROM (199), in which the DDC or monitor characteristics data is stored (Fig. 1, cols 2 and 3). Ross substantially shows all above claimed limitations except for "determining whether said first data corresponds to second data stored in a memory". However, Swan et al. disclose method for detecting differences between an image update rate and a display update rate (Fig. 3, col. 3, lines 1-38). Therefore it would have been obvious to one of ordinary skill in the art to combine the methods of Ross and Swan et al to provides a hot-plugging method of display in which a main body of a main computer

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automatically recognizes a newly connected display device and creating a method and apparatus to provide non-DDC monitor characteristics to system software.

*Allowable Subject Matter*

4. Claims 2 and 6-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Cheng, Ishii et al. and Takahashi are made of record to show various types of hot-plugging method and apparatus for display devices.

*Conclusion*

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Zamani whose telephone number is (703) 308-6414. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe, can be reached on (703) 305-4709. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-9051.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Ali Zamani

Jun 2, 2000



RICHARD A. HJERPE  
SUPERVISORY PATENT EXAMINER  
GROUP 2700